

AMENDMENT TRANSMITTAL LETTER (Large Entity)

Applicant(s): G. Strumolo et al.

Docket No.

198-1226

Serial No.

09/432,485

Filing Date

November 1, 1999

Examiner

H. Jones

Group Art Unit

2123

Inventor: PAINT SPRAY PARTICLE TRAJECTORY ANALYSIS METHOD AND SYSTEM

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TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

Technology Center 2100**CLAIMS AS AMENDED**

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	6 -	6 =	0 x	\$18.00	\$0.00
INDEP. CLAIMS	3 -	3 =	0 x	\$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

☒ No additional fee is required for amendment.☐ Please charge Deposit Account No. _____ in the amount of _____
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A duplicate copy of this sheet is enclosed.☒ Any additional filing fees required under 37 C.F.R. 1.16.☒ Any patent application processing fees under 37 CFR 1.17.
Signature

Dated: December 9, 2002

Daniel H. Bliss (Reg. No. 32,398) [0693.00203]
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(248) 649-6090I certify that this document and fee is being deposited
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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V. Bell

Art Unit: 2123)
Examiner: H. Jones)
Applicant(s): G. Strumolo et al.)
Serial No.: 09/432,485)
Filing Date: November 1, 1999)
For: PAINT SPRAY PARTICLE TRAJECTORY)
ANALYSIS METHOD AND SYSTEM)

AMENDMENT
UNDER 37 C.F.R. 1.116

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Technology Center 2100

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This is in response to the Office Action dated September 9, 2002.

REMARKS

Claims 1 through 6 remain in the application.

Claims 1 through 6 were rejected under 35 U.S.C. § 102(b) as being anticipated by Miller et al. (SAE Paper No. 982291). Applicants respectfully traverse this rejection.

SAE Paper No. 982291 to Miller et al. discloses transient CFD simulations of a bell sprayer. Two numerical models are required in order to analyze the effect of paint transfer efficiency under varying bell operation conditions. First, the shaping air from a bell sprayer is simulated using a new computational fluid dynamics simulation, PowerFlow, as described in section 2.1. The numerical simulation is a single species, single-phase model and subsequently, paint spray dynamics and interaction with the shaping air must be modeled using a separate

CERTIFICATE OF MAILING: (37 C.F.R. 1.8) I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service with sufficient postage as First Class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on December 9, 2002, by Daniel H. Bliss